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22 May 2015

Jim Fleer  
McKesson Corporation - Env. Svcs Dept.  
One Post St. -- 34th Floor  
San Francisco, CA 94104

RE: Arkwood Monthly Sampling  
SDG Number: 1505285

Enclosed are the results of analyses for samples received by the laboratory on 19-May-15 09:57. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✓
Containers Correct	✓
COC/Labels Agree	✓
Received On Ice	✓
Temperature on Receipt	4.0°C

Sincerely,

A handwritten signature in blue ink, appearing to read "Norma James / Teresa Coins".

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Norma James  
President

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Project: Arkwood Monthly Sampling  
Project Number: May 2015  
Date Received: 19-May-15 09:57

#### ANALYTICAL RESULTS

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Lab Number: 1505285-01  
Sample Name: Mouth  
Date/Time Collected: 5/18/15 12:30  
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	16.3		5/20/15 17:36	A505241	8270D, Rev 4, 2007
2,4,6-Tribromophenol [surr]	%	92.1		5/20/15 17:36	A505241	8270D, Rev 4, 2007
2-Fluorophenol [surr]	%	50.9		5/20/15 17:36	A505241	8270D, Rev 4, 2007
Phenol-d5 [surr]	%	38.1		5/20/15 17:36	A505241	8270D, Rev 4, 2007

#### ANALYTICAL RESULTS

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Lab Number: 1505285-02  
Sample Name: Weir  
Date/Time Collected: 5/18/15 12:15  
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	< 1.00		5/20/15 17:14	A505241	8270D, Rev 4, 2007
2,4,6-Tribromophenol [surr]	%	76.6		5/20/15 17:14	A505241	8270D, Rev 4, 2007
2-Fluorophenol [surr]	%	41.2		5/20/15 17:14	A505241	8270D, Rev 4, 2007
Phenol-d5 [surr]	%	31.3		5/20/15 17:14	A505241	8270D, Rev 4, 2007

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## QUALITY CONTROL RESULTS

### Semivolatiles - Quality Control Analyzed: 20-May-15 15:48 By: KR

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch A505241 - EPA 3510C MS

##### Blank (A505241-BLK1)

Prepared & Analyzed: 20-May-15

Pentachlorophenol	ND	1.00	ug/L							
Surrogate: 2,4,6-Tribromophenol	31.7		"	40.0		79.2	47.1-140			
Surrogate: 2-Fluorophenol	18.2		"	40.0		45.4	20.4-88.3			
Surrogate: Phenol-d5	13.8		"	40.0		34.5	11.7-70.7			

##### LCS (A505241-BS1)

Prepared & Analyzed: 20-May-15

Pentachlorophenol	36.3	1.00	ug/L	40.0		90.9	51.7-124			
Surrogate: 2,4,6-Tribromophenol	33.7		"	40.0		84.3	66-132			
Surrogate: 2-Fluorophenol	19.6		"	40.0		49.0	41-72			
Surrogate: Phenol-d5	14.9		"	40.0		37.2	29-58			

##### Matrix Spike (A505241-MS1)

Source: 1505285-01

Prepared & Analyzed: 20-May-15

Pentachlorophenol	95.4	2.00	ug/L	80.0	16.3	98.8	41.2-140			
Surrogate: 2,4,6-Tribromophenol	73.8		"	80.0		92.3	47.1-140			
Surrogate: 2-Fluorophenol	42.8		"	80.0		53.5	20.4-88.3			
Surrogate: Phenol-d5	32.3		"	80.0		40.4	14.7-66.9			

##### Matrix Spike Dup (A505241-MSD1)

Source: 1505285-01

Prepared & Analyzed: 20-May-15

Pentachlorophenol	93.2	2.00	ug/L	80.0	16.3	96.1	41.2-140	2.32	8.94	
Surrogate: 2,4,6-Tribromophenol	72.5		"	80.0		90.7	47.1-140			
Surrogate: 2-Fluorophenol	37.2		"	80.0		46.5	20.4-88.3			
Surrogate: Phenol-d5	28.2		"	80.0		35.2	14.7-66.9			

All Analysis performed according to EPA approved methodology when available:  
SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.  
Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by: Norma James / Teresa Coins  
Norma James and/or Teresa Coins  
Technical Director and/or QA Officer

## CHAIN OF CUSTODY RECORD

CLIENT INFORMATION						Project Description		Turnaround Time		Preservation Codes:							
McKeeson Corporation 14348 Nieman Rd. Overland Park KS 66221  Attn: Jim Fleeer						Arkwood Monthly Sampling		1 Day (100%)	1. Cool, 4 Degrees Centigrade				4. Thiosulfate for Dechlorination				
						Reporting Information	2 Day (50%)	2. Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> ), pH < 2				5. Hydrochloric Acid(HCl)					
							3 Day (25%)	3. Nitric Acid (HNO <sub>3</sub> ), pH < 2				6. Sodium Hydroxide (NaOH), pH > 12					
						Telephone: 913-706-3422	5 Day (Routine)	TEST PARAMETERS								Bottle Type Code	
						Email: james.fleer@mckesson.com	Preservative Code:	1								G = Glass; P = Plastic	
							Bottle Type:	GA							V = Septum; A = Amber		
Sampler(s) Signature 						Sampler(s) Printed James Fleer						Pentachlorophenol (8270D)					Arkansas Analytical Work Order Number: 5285 1502MB
Field Number	SAMPLE COLLECTION Date/s Time/s		Grab	Comp	Number of Bottles	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION										
	5/18/15	12:30	X		2	Water	Mouth	X								01	
	5/18/15	12:15	X		2	Water	Weir	X								02	
									ONSITE MEASUREMENTS BY Oxford Environmental								
									pH	Temperature		DO%					
									Mouth	6.06	13.47		62.0				
									Weir	6.19	13.91		121.5				
1. Relinquished by: (Signature) 			Date/Time 5/18/15 14:00		2. Received by: (Signature) 			SAMPLE CONDITION UPON RECEIPT IN LAB				REMARKS / SAMPLE COMMENTS					
3. Relinquished by: (Signature) 			Date/Time 5-19-15 0957		4. Received by lab: (Signature) 			6. TEMPERATURE GUN ID: HHT#2				O <sub>3</sub> Residual - 0.00					
								FOR COMPLETION BY LAB ONLY									